

- B1 [ d. the liquid flow passageway downstream of the upflow chamber being configured to ensure sufficient contact between ozone and the liquid to purify the liquid before it reaches the dispenser.

B2 57. (AMENDED) The improvement of claim 39 including a desiccant and a valve upstream of the ozone generator arranged so that the valve opens an inlet to the desiccant only when air flow enters the generator during purifier operation.

B3 21. (AMENDED) A method of purifying a batch of liquid with ozone from a generator producing an ozone-containing gas that is mixed with a batch of the liquid [in] flowing once through a passageway extending from an untreated liquid container to a purified liquid dispenser, the method comprising:

- a. after mixing the ozone-containing gas with liquid flow commencing at the beginning of a batch purification cycle, directing the liquid and ozone mixture into an upflow chamber in which the initial flow of liquid rises as bubbles of ozone-containing gas rise at a faster rate to overtake the preceding liquid; and
- b. blocking entry of untreated liquid into the passageway except when the purifier is purifying liquid flow.

B4 39. (AMENDED) A liquid purifier combining an unpurified liquid batch container, a liquid flow passageway leading from the container to a purified liquid dispensing outlet, a generator producing an ozone-containing gas, and a pumping system flowing the liquid once through the passageway and combining the ozone-containing gas with the liquid to purify the liquid en route to [a dispensing] the outlet, the purifier comprising:

- a. the liquid passageway downstream of a region where the ozone-containing gas joins the liquid being formed into an upflow chamber [in which] configured so that a leading flow of the liquid rises at a rate exceeded by a rate of rise of bubbles of the ozone-containing gas [within] entering the upflow chamber with the liquid so that the ozone-containing gas overtakes the leading liquid flow; and